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| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Products containing Hydrocarbons/Benzene Additional Attachments: Diesel Fuel | | 2. Divisions/Groups/Units affected: Field Response | | 3. Job Tasks Involving Hazard: Assessments | |
| Medical Condition | Action Level | Reference | Signs, Symptoms & Potential Health Effects | Exposure Route | Controls: Engineering, Administrative, PPE | Medical Response |
| Cancer | | | Bone marrow depression, Abnormal blood counts, Cancer of the blood (leukemia), incapacitating illness & death | Inhalation X Absorption X Ingestion Injection Membrane _____ | - Avoid Contact - Avoid confined & tight spaces - Keep upwind - Air monitoring - Chem resistance clothing - Respirators > TLV | - Test blood & urine for phenol |
| Dermatitis | | | Reddening of the skin, benzene is a suspected skin carcinogen | Inhalation Absorption X Ingestion Injection Membrane | - Avoid Contact - Keep upwind - Wear chemical resistance gloves & clothing - Wash frequently | - Wash skin & exposed areas with soap and water |
| Eye Irritation | | | Red eye, weeping eye, blurry vision | Inhalation Absorption X Ingestion Injection Membrane _____ | - Avoid Contact - Keep upwind - Wear safety glasses - High splash zone, wear chemical resistance goggles | - Flush eyes with water |
| Central Nervous System Effect | | | Giddiness, headache, nausea, staggered gait, fatigue - | Inhalation X Absorption X Ingestion Injection Membrane _____ | - Avoid contact, & confined/tight spaces - Keep upwind - Air monitoring - Chem resistance clothing Respirators > TLV | - Test blood & urine for phenol (benzene) |
| Respiratory Irritant | | | Irritation of nose, throat and lungs | Inhalation X Absorption X Ingestion Injection Membrane _____ | - Avoid confined & tight spaces - Keep upwind - Air monitoring - Chem resistance clothing Respirators > TLV | - Test blood & urine for phenol (benzene) |
| 4. Prepared by: E Primeau | | 5. Date/time briefed: | | Last Update: 9/25/17 | | SSP-Attach 1: Hydrocarbons/Benzene |

| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | | 1. Hazard Products Containing Hydrogen Sulfide Additional Attachments: | 2. Divisions/Groups/Units affected: Field Response | | | 3. Job Tasks Involving Hazard: Assessments |
|--|--|--|--|---|--|--|
| Medical Condition | Action Level | Reference | Signs, Symptoms & Potential Health Effects | Exposure Route | <u>Controls:</u> Engineering, Administrative, PPE | Medical Response |
| Chemical asphyxiation | Note: Poor Warning Properties | | Headache, dizziness, fatigue, staggered gait, giddiness | Inhalation X Absorption Ingestion Injection Membrane | - Avoid Contact - Avoid confined & tight spaces - Keep upwind - Air monitoring - SCBA > TLV | |
| Diarrhea | | | Runny or loose stool | Inhalation X Absorption Ingestion X Injection Membrane _____ | - Avoid Contact - Keep upwind - Wash frequently - Avoid confined & tight spaces - Keep upwind - Air monitoring - SCBA > TLV | - If ingested, induce vomiting, drink large volumes of water |
| Respiratory Paralysis | | | Difficulty breathing, fatigue, strong signs of weakness | Inhalation X Absorption Ingestion Injection Membrane _____ | - Avoid Contact - Keep upwind - Wash frequently - Avoid confined & tight spaces - Keep upwind - Air monitoring - SCBA > TLV | - Provide support respiration where needed |
| Chemical Burns | | | Severe burning of skin, eyes and other external organs - | Inhalation Absorption Ingestion Injection Membrane Contact X | - Avoid areas above 10% LEL - Keep upwind - Air monitoring - Flash protective clothing SCBAs > TLV | -Treat for burns as appropriate |
| Central Nervous System Depression | | | Headache, dizziness, fatigue, staggered gait, giddiness | Inhalation X Absorption Ingestion Injection Membrane _____ | - Avoid confined & tight spaces - Keep upwind - Air monitoring - Chem resistance clothing SCBA > TLV | - Remove from site |
| 4. Prepared by: E Primeau | | 5. Date/time briefed: | Last Update: 9/25/17 | | | SSP-Attach 2: Hydrogen Sulfide |

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| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Generic Signs & Symptoms of Acute Over Exposure Attachments: | 2. Divisions/Groups/Units affected: Field Response | 3. Job Tasks Involving Hazard: Assessments |
| Signs and Symptoms | | Action to be Taken | |
| <ul style="list-style-type: none"> - Sudden weight loss or change in appetite. - Unusual fatigue or sleeping difficulties - Unusual irritability - Skin rashes/allergies/sores - Hearing loss - Vision loss or problems - Changes in sense of smell - Shortness of breath, asthma, cough, wheeze, excess sputum - Chest pains - Nausea, vomiting, dizziness - Weakness, tremors - Headaches - Stomach pains - Personality changes | | <ol style="list-style-type: none"> 1. REMOVE PERSON AND OTHERS FROM SITE. 2. REPORT SYMPTOM TO SUPERVISOR 3. SEEK APPROPRIATE MEDICAL ATTENTION 4. EVALUATE POTENTIAL SOURCES 5. REQUEST SITE CHARACTERIZATION BY SITE SAFETY OFFICER | |
| 4. Prepared by: E. Primeau | 5. Date/time briefed: | Last Update: 9/25/17 | SSP-Attach 3: Signs/Symptoms of Toxic Exposure |

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| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Heat Stress Attachments: | | 2. Divisions/Groups/Units affected: Field Response | | | 3. Job Tasks Involving Hazard: Assessments | |
| Medical Condition | Action Level | Reference | Signs, Symptoms & Potential Health Effects | Exposure Route | <u>Controls:</u> Engineering, Administrative, PPE | | Medical Response |
| Heat Stroke | Minimize exposure | NIOSH: Working in Hot Environments | Skin is hot Skin is dry Skin is red and spotted Body Temp: 105 or > Mental confusion Convulsions Unconscious | Inhalation Absorption X Ingestion Injection Membrane _____ | <ul style="list-style-type: none"> - Acclimatize workers - Avoid direct sun - Institute work/rest regimens - Provide cool rest areas - Drink 5-7 ounces water every 15-20 minutes - Consider cooling garments - Use heat stress monitors - Use canopies or other shelter - Minimize workers with illnesses and excessive weight | | <ul style="list-style-type: none"> - Get EMT assistance immediately - Remove victim to cool area - Soak clothing w/water - Fan body to increase cooling |
| Heat Exhaustion | Minimize exposure | NIOSH: Working in Hot Environments | Extreme weakness Giddiness, headache Nausea, Vomiting Skin is clammy & moist Complexion is pale/flushed Body Temp: normal to slightly elevated | Inhalation Absorption X Ingestion Injection Membrane _____ | | | <ul style="list-style-type: none"> - Notify EMT - Rest victim in cool place - Have victim drink plenty of water |
| Heat Cramps | Minimize exposure | NIOSH: Working in Hot Environments | Painful spasms of muscles Profuse sweating | Inhalation Absorption X Ingestion Injection Membrane _____ | | | <ul style="list-style-type: none"> - Remove victim from site - Ensure victim drinks plenty of water and replaces electrolytes |
| Fainting | Minimize exposure | NIOSH: Working in Hot Environments | Victim faints due to lack of blood to the brain | Inhalation Absorption X Ingestion Injection Membrane _____ | | | <ul style="list-style-type: none"> - Remove victim to cool area - Ensure victim drinks plenty of fluid - Ensure victim is not sedentary in direct heat |
| Heat Rash | Minimize exposure | NIOSH: Working in Hot Environments | Skin rash Experience of prickly heat | Inhalation Absorption X Ingestion Injection Membrane | | | <ul style="list-style-type: none"> - Remove victim to cool place - Ensure victim drinks plenty of water |
| 4. Prepared by: E Primeau | | 5. Date/time briefed: | | Last Update: 9/25/17 | | | SSP-Attach 4: Heat Stress |

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| CG ICS SSP LOG/RECORD OF SAFETY BRIEFINGS ATTACHMENT | | 1. Incident Name Hurricane Harvey ESF-10 Response | 2. Site Location: | 3. Site Supervisors: | |
| 4. Type of Briefing | | 5. Presented by: | | 6. Date | 7. Time |
| Start Shift [] Pre-Entry [] Exit [] End of Shift [] Specify Other: | | | | | |
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| Last Updated: 9/25/17 | | | SSP-Attach 6: Record of Safety Briefings | | |

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| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Helicopter Operations Additional Attachments: | 2. Helicopter Location | 3. Emergency contacts: |
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| Activity | Safe Work Practice | | 4. Checked [3] |
| Pre-boarding | - Receive Safety briefing from helicopter operators | | |
| | - Receive emergency extrication briefing | | |
| | - Know location of emergency equipment | | |
| | - Know water landing procedures | | |
| | - Loose fitting hats, clothing & other gear removed at minimum 100 ft away | | |
| | - Ensure operator knows how to contact emergency services | | |
| | - Ensure operator has good communications with coordinating vessels | | |
| | - | | |
| Approaching and Exiting Helicopter | - Approach from front | | |
| | - Approach only when signaled by pilot | | |
| | - Never walk under tail blade | | |
| | - Approach in clear view of pilot | | |
| | - Approach in crouching position | | |
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| Onboard Helicopter/Helicopter Startup | - Wear seatbelts | | |
| | - Wear hearing protection | | |
| | - Ground crew & other persons maintain minimum 50 ft from operating helo | | |
| | - Be alert for ground traffic and air traffic to assist pilot | | |
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| Other | - | | |
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| 5. Prepared by: E Primeau | 6. Date/time briefed: | Last Updated: 9/25/17 | SSP-Attach 7: Helicopter Safety |

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| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Small Boat Operations Additional Attachments: | 2. Small Boat Unit Assignment | 3. Emergency contacts: |
| Activity | Safe Work Practice | | 4. Checked [3] |
| Pre-boarding | - Receive safety briefing from boat crew operators | | |
| | - Receive emergency extrication briefing | | |
| | - Know location of emergency equipment | | |
| | - Ensure operator knows how to contact emergency services | | |
| | - Ensure operator has good comms with coordinating vessels & shore units | | |
| | - Ensure comms schedule with parent unit is understood | | |
| | - Ensure distress signals are available for day & night operations (3 per shift) | | |
| | - Ensure qualified operators are running the boats | | |
| | - Ensure appropriate number of CG approved Type I & II preservers | | |
| | - Confirm location of safe seating from boat operator | | |
| | - Ensure portable fuel tanks are full prior to boarding | | |
| | - Keep all sources of ignition away from fueling area | | |
| | - Ensure boat does not exceed safe load capacity (personnel & equipment) | | |
| | - Ensure proper footwear for maintaining adequate boat deck contact | | |
| | - Ensure equipment on boat is distributed evenly to ensure stability | | |
| | - Ensure at least 2 people are operating the boat | | |
| | - Ensure sun protection is available (glasses, and sun screen) | | |
| | - Ensure adequate food & water is available for duration of operation | | |
| | - Ensure first aid kits, fire extinguishers, alternate means of propulsion | | |
| | - Ensure adequate fenders and mooring lines are available | | |
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| Boat Operations | - Remain seated whenever possible. Keep low in the boat. | | |
| | - Ensure boat is able to maintain direct contact visually or by radio | | |
| | - Avoid anchoring the boat by the stern | | |
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| Boat mooring and egress | - Keep hands & feet away from pinch points between boat & dock | | |
| | - Stay clear of lines being used for mooring | | |
| | - Do not disembark with bulky or heavy equipment, get assistance | | |
| | - If not assisting in the mooring operation, remain seated until lines are tied | | |
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| 5. Prepared by: E Primeau | 6. Date/time briefed: | Last Updated: 9/25/17 | SSP-Attach 8: Small Boat Safety |

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| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Vehicle Operations: | 2. Vehicle Unit Designator | 3. Emergency contacts: |
| | Activity | Safe Work Practice | 4. Checked [3] |
| Before driving | - Ensure tires are inflated | | |
| | - Ensure gas cap is in place & tight | | |
| | - Ensure front hood and trunk are secured | | |
| | - Ensure spare tire is in good condition | | |
| | - Locate tire changing equipment | | |
| | - Locate emergency road kit | | |
| | - Check headlights, brake, emergency, turn signals and parking lights | | |
| | - Adjust side mirrors | | |
| | - Adjust review mirrors | | |
| | - Ensure horn is in working order | | |
| | - Ensure seat belts fasten | | |
| | - Ensure sunglasses are available | | |
| | - Locate operating switches for lights, wipers, temperature control, defroster | | |
| | - Ensure adequate directions to destination are available | | |
| | - Check to ensure driving route avoids high crime areas | | |
| | - Ensure adequate fuel (keep half full during emergencies) | | |
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| Vehicle Operations | - After ignition, look for warning lights. | | |
| | - Test braking system | | |
| | - Obey all traffic signs and speeds | | |
| | - Do not drive if hearing, sight or appendages are impaired | | |
| | - Take frequent breaks; once every 100 miles | | |
| | - During breaks, if sleeping, park in lighted lot and keep doors locked | | |
| | - Do not drive if tired, on medication or under influence of alcohol | | |
| | - Monitor traffic reports for accidents, weather and construction | | |
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| Other Precautions | - NO RIGHT ON RED IN NYC UNLESS POSTED | | |
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| 5. Prepared by: E Primeau | 6. Date/time briefed: | Last Updated: 9/25/17 | SSP-Attach 9: Vehicle Safety |

| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Insect Hazards Additional Attachments: | 2. Divisions/Groups/Units affected: Field Response | | 3. Job Tasks Involving Hazard: Assessments |
|--|--|---|---|--|
| Hazard Type | Potential Sources | Signs & Symptoms | Control | Medical Treatment |
| Insect Bites & Stings | Africanized “Killer” Bees Fire Ants | <u>Allergic person:</u> -Swollen throat -Difficult breathing -Noisy breath -Sudden pain -Severe itching, hives, acute redness, swelling -white firm swelling -reduced consciousness, shock | <ul style="list-style-type: none">- Recon area prior to work & identify nests & habitats- Identify as hazard areas & place on SSP map- Provide insect repellent- Encourage long sleeves & pants if practical- Conduct tick & bite inspection during breaks and prior to departing site- Identify persons with insect allergies & restrict them where necessary- Obtain emergency insect bite kits | <ul style="list-style-type: none">- Wash wound with soap & water- Request med assistance for allergic persons- Remove stinger without pinching or squeezing- Use cold pack to reduce swelling, use pad between skin and pack- Keep wounded area below heart to slow spread of venom- Do not administer aspirin or alcohol |
| | Black Widow Spider (Not in op area) | <ul style="list-style-type: none">-Systemic poison-Flu – like symptoms-Severe abdominal pain-Rigidity, muscle pain, cramping,-Chest tightness, breathing difficulty,-Pain in soles of feet-Alternating dry & salivating mouth,-Nausea, vomiting-Profuse sweating or swollen eyelids | | <ul style="list-style-type: none">- Wash wound with soap & water- Request med assistance address symptoms- Use cold pack to reduce swelling, use pad between skin and pack |
| | Brown Recluse (Not in op area) | <ul style="list-style-type: none">-Severe redness-Red circle around bite-Bite takes several months to heal | | <ul style="list-style-type: none">- Wash wound with soap & water- Request med assistance for allergic persons- Remove stinger without pinching or squeezing- Use cold pack to reduce swelling, use pad between skin and pack |
| | Ticks | <ul style="list-style-type: none">-Flu like symptoms-Fever-Rash, joint pain, headaches | | <ul style="list-style-type: none">- Wash wound with soap & water- Request med assistance for allergic persons- Remove tick with oil, alcohol or heated tweezers- Use tweezers to remove imbedded head- If fever, rash, unusual markings develop around bite, contact physician |
| 4. Prepared by: | 5. Date/time briefed: | Last Updated: 9/25/17 | | SSP-Attach 10: Insect Hazards |

| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Animal Hazards Additional Attachments: | 2. Divisions/Groups/Units affected: Field Response | | 3. Job Tasks Involving Hazard: Assessments |
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| Hazard Type | Potential Sources | Signs & Symptoms | Control | Medical Treatment |
| Mammal Bites | Dogs, Cats Skunks, Raccoons Foxes, Possums | -Pain & tenderness of wound -Redness, heat, swelling -Puss under the skin -Red streaks around wound -Swollen lymph nodes in arm pits, groin & neck | - Recon area prior to work & identify nests & habitats - Identify animals & any unusual behavior - Relocate animals if necessary using wildlife experts - Report rabid animals to local wildlife authorities - Obtain emergency bite kits | - Get medical attention ASAP to address infection - Ensure tetanus shot is updated - Interview individual to determine appearance/disposition of animal - Control serious bleeding - Apply pressure using gauze pad, tourniquets are inadvisable - Wash before touching wound - Wear rubber gloves when treating victim - Wash wounds that are not bleeding heavily - Cover with clean dressing and bandage |
| | | <u>Rabies</u> -Drooling -Irritability -Strange, abnormal behavior | | - Get medical assistance immediately |
| Snake Bites | Coral Snakes Water Moccasins Rattle Snakes Pit Vipers | <i>Some or all of these symptoms may be present:</i> -Fang marks -Swelling, discoloration, pain -Heat around fang marks -Weakness, sweating, faintness, shock <u>Coral snake:</u> -Respiratory paralysis -Bizarre behavior -Unusual eye movement | - Recon area prior to work & identify nests & habitats - Place locations on SSP map - Identify animals & any unusual behavior - Relocate animals if necessary using wildlife experts - Report aggressive animals to local wildlife authorities - Obtain emergency bite kits | - Get medical attention ASAP - Ensure tetanus shot is updated - Interview individual to determine appearance/disposition of snake - Control serious bleeding - Apply pressure using gauze pad, tourniquets are inadvisable - Wash before touching wound - Wear rubber gloves when treating victim - Wash wounds that are not bleeding heavily - Cover with clean dressing and bandage Poisoned Victim - Get immediate medical attention - Keep patient still to slow spread of venom - Place bite area below heart to slow venom - Wash with soap & water - Use splint to immobilize bitten arms/legs - Use cold pack with gauze before skin - Do not administer aspirin or alcohol - Do not suck out poison - Do not use tourniquets |
| 4. Prepared by: | 5. Date/time briefed: | Last Updated: 9/25/17 | | SSP-Attach 11: Animal Hazards |

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| CG ICS SSP SPECIFIC HAZARD ATTACHMENT | 1. Hazard Marine Animal and Plant Hazards Additional Attachments: | 2. Divisions/Groups/Units affected: Field Response | | 3. Job Tasks Involving Hazard: Skimming, booming, removal, assessment, security |
| Hazard Type | Potential Sources | Signs & Symptoms | Control | Medical Treatment |
| Animal Stings & Punctures | <u>Group I</u> Jellyfish, Portuguese Man-o-war Anemones Corals Hydras <u>Group II</u> Urchins, Cone Shells, Stingrays, Spiny fish | -Pain & tenderness of wound -Redness, heat, swelling -Puss under the skin -Red streaks around wound <i>Sensitive Individuals</i> -Allergic reactions -Respiratory arrest -Fainting -Infections & tetanus may develop | - Recon area prior to work & identify nests & habitats - Place locations on SSP map - Outfit workers with protective clothing for water activities and to prevent bites | - Get medical attention ASAP to address infection - Ensure tetanus shot is updated - Interview individual to determine appearance of animal - Control serious bleeding <u>Group I</u> - Do not rub or scratch affected area - Sprinkle alcohol on affected area, follow with meat tenderizer or talcum if available (denatures toxin) <u>Group II</u> - Soak in very warm water for 30 minutes - Do not use very hot water |
| Plants | Poison Ivy Poison Oak Poison Sumac | <i>Some or all of these symptoms may be present:</i> -Itching -Burning -Blistering -Rash & bumpy skin | - Recon area prior to work & identify plant types - Place locations on SSP map - Remove if necessary - Long sleeve shirts and pants should be worn - Gloves should be worn - Wash frequently during breaks & prior to departing work site. - Employ body screen salves | - If contact occurs, wash with soapy water immediately - Do not scratch - Provide medical attention of spreading is severe |
| 4. Prepared by: | 5. Date/time briefed: | Last Updated: 9/25/17 | | SSP-Attach X: Animal Hazards |